

Form PTO-1449  
(REV. 8-83)US Dept. of Commerce  
PATENT & TRADEMARK OFFICE

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY DOCKET NO.  
102306.12APPLICATION NO.  
Rule 53(b) Divisional of  
09/964,550 filed  
September 28, 2001APPLICANT(S)  
Martin E. LEEFILING DATE  
July 2, 2003

GROUP

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE    | NAME              | CLASS | SUB<br>CLASS |
|---------------------|-----------------|---------|-------------------|-------|--------------|
| HN                  | 3,789,285       | 01/1974 | Nishizawa         |       |              |
|                     | 3,889,164       | 06/1975 | Nishizawa et al.  |       |              |
|                     | 3,935,486       | 01/1976 | Nagashima         |       |              |
|                     | 3,943,778       | 01/1976 | Wyse              |       |              |
|                     | 4,019,109       | 04/1977 | McCoy et al.      |       |              |
|                     | 4,087,729       | 05/1978 | Yamazaki et al.   |       |              |
|                     | 4,129,291       | 12/1978 | Kato et al.       |       |              |
|                     | 4,234,175       | 11/1980 | Sato et al.       |       |              |
|                     | 4,392,642       | 07/1983 | Chitayat          |       |              |
|                     | 4,409,860       | 10/1983 | Moriyama et al.   |       |              |
|                     | 4,425,508       | 01/1984 | Lewis, Jr. et al. |       |              |
| HN                  | 4,443,743       | 04/1984 | Forys et al.      |       |              |

## FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE    | COUNTRY | CLASS | SUB<br>CLASS |
|-----------------|---------|---------|-------|--------------|
| HN 63-20014     | 1988    | Japan   |       |              |
| HN 63-163353    | 06/1994 | Japan   |       |              |
|                 |         |         |       |              |
|                 |         |         |       |              |
|                 |         |         |       |              |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

|    |  |
|----|--|
| HN | Moriyama, et al., "Precision X-Y Stage with a Piezo-driven Fine-table," The Bulletin of The Japan Society Precision Engineering, Vol. 22, No. 1, pp. 13-17, March 1988 |
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## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE    | NAME             | CLASS | SUB<br>CLASS |
|---------------------|-----------------|---------|------------------|-------|--------------|
| HN                  | 4,485,339       | 11/1984 | Trost            |       |              |
|                     | 4,492,356       | 01/1985 | Taniguchi et al. |       |              |
|                     | 4,504,144       | 03/1985 | Trost            |       |              |
|                     | 4,506,204       | 03/1985 | Galburt          |       |              |
|                     | 4,506,205       | 03/1985 | Trost et al.     |       |              |
|                     | 4,507,597       | 03/1985 | Trost            |       |              |
|                     | 4,514,858       | 04/1985 | Novak            |       |              |
|                     | 4,516,253       | 05/1985 | Novak            |       |              |
|                     | 4,525,659       | 06/1985 | Imahashi et al.  |       |              |
|                     | 4,575,942       | 03/1986 | Moriyama         |       |              |
|                     | 4,615,515       | 10/1986 | Suzuta et al.    |       |              |
|                     | 4,628,238       | 12/1986 | Smulders et al.  |       |              |
|                     | 4,630,942       | 12/1986 | Tsumaki et al.   |       |              |
|                     | 4,641,071       | 02/1987 | Tazawa et al.    |       |              |
|                     | 4,648,723       | 03/1987 | Sugiyama et al.  |       |              |
|                     | 4,648,724       | 03/1987 | Sugiyama et al.  |       |              |
|                     | 4,653,408       | 03/1987 | Nagashima et al. |       |              |
|                     | 4,654,571       | 03/1987 | Hinds            |       |              |
|                     | 4,667,139       | 05/1987 | Hirai et al.     |       |              |
|                     | 4,675,891       | 06/1987 | Plessis et al.   |       |              |
| HN                  | 4,677,651       | 06/1987 | Hartl et al.     |       |              |

## FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB<br>CLASS |
|-----------------|------|---------|-------|--------------|
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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| EXAMINER<br>INITIAL   |  | DOCUMENT NUMBER                                   | DATE    | NAME                          | CLASS | SUB<br>CLASS  |  |
| HW  |  | 4,684,315   | 08/1987 | Sugishima et al.              |       |   |  |
|   |  | 4,687,980   | 08/1987 | Phillips et al.               |       |   |  |
|   |  | 4,698,575   | 10/1987 | Bouwer                        |       |   |  |
|   |  | 4,708,465   | 11/1987 | Isohata et al.                |       |   |  |
|   |  | 4,723,086   | 02/1988 | Leibovich et al.              |       |   |  |
|   |  | 4,742,286   | 05/1988 | Phillips                      |       |   |  |
|   |  | 4,744,675   | 05/1988 | Sakino et al.                 |       |   |  |
|   |  | 4,750,721   | 06/1988 | Sasada                        |       |   |  |
|   |  | 4,770,531   | 09/1988 | Tanaka et al.                 |       |   |  |
|   |  | 4,803,712   | 02/1989 | Kembo et al.                  |       |   |  |
|   |  | 4,812,725   | 03/1989 | Chitayat                      |       |   |  |
|   |  | 4,817,930   | 04/1989 | Van Deuren                    |       |   |  |
|   |  | 4,818,169   | 04/1989 | Schram et al.                 |       |   |  |
|   |  | 4,870,668   | 09/1989 | Frankel et al.                |       |   |  |
|   |  | 4,887,804   | 12/1989 | Ohtsuka                       |       |   |  |
|   |  | 4,916,340   | 04/1990 | Negishi                       |       |   |  |
|   |  | 4,948,330   | 08/1990 | Nomura et al.                 |       |   |  |
|   |  | 4,952,858   | 08/1990 | Galburt                       |       |   |  |
|   |  | 4,993,696   | 02/1991 | Furukawa et al.               |       |   |  |
|   |  | 5,022,619   | 06/1991 | Mamada                        |       |   |  |
|   |  | 5,040,431   | 08/1991 | Sakino et al.                 |       |   |  |
| HW  |  | 5,059,090   | 10/1991 | Bobroff et al.                |       |   |  |
| FOREIGN PATENT DOCUMENTS  |  |   |         |                               |       |   |  |
|   |  | DOCUMENT NUMBER                                   | DATE    | COUNTRY                       | CLASS | SUB<br>CLASS  |  |
|   |  |   |         |                               |       |   |  |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)  |  |   |         |                               |       |   |  |
|   |  |   |         |                               |       |   |  |
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| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE    | NAME             | CLASS | SUB<br>CLASS |
|---------------------|-----------------|---------|------------------|-------|--------------|
| HN                  | 5,120,034       | 06/1992 | Van Engelen      |       |              |
|                     | 5,150,153       | 09/1992 | Franken et al.   |       |              |
|                     | 5,228,358       | 07/1993 | Sakino et al.    |       |              |
|                     | 5,241,183       | 08/1993 | Kanai et al.     |       |              |
|                     | 5,243,491       | 09/1993 | Van Eijk et al.  |       |              |
|                     | 5,260,580       | 11/1993 | Itoh et al.      |       |              |
|                     | 5,280,677       | 01/1994 | Kubo et al.      |       |              |
|                     | 5,285,142       | 02/1994 | Galburt et al.   |       |              |
|                     | 5,327,060       | 07/1994 | Van Engelen      |       |              |
|                     | 5,874,820       | 02/1999 | Lee              |       |              |
|                     | 4,808,892       | 02/1989 | Dreibelbis       |       |              |
|                     | 4,891,526       | 01/1990 | Reeds            |       |              |
|                     | 5,073,912       | 12/1991 | Kobayashi et al. |       |              |
|                     | 5,338,121       | 08/1994 | Kobayashi et al. |       |              |
| HN                  | 5,140,242       | 08/1992 | Doran et al.     |       |              |

## FOREIGN PATENT DOCUMENTS

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|                 |      |         |       |              |
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| EXAMINER<br>INITIAL   |  | DOCUMENT NUMBER                                   | DATE    | NAME                          | CLASS | SUB<br>CLASS  |  |
| HN  |  | 5,172,160   | 12/1992 | Van Eijk et al.               |       |   |  |
|   |  | 5,184,055   | 02/1993 | Ohishi et al.                 |       |   |  |
|   |  | 5,309,847   | 05/1994 | Matsumoto                     |       |   |  |
|   |  | 5,323,712   | 06/1994 | Kikuiri                       |       |   |  |
|   |  | 5,208,497   | 05/1993 | Ishii et al.                  |       |   |  |
|   |  | 5,385,217   | 01/1995 | Watanabe et al.               |       |   |  |
|   |  | 5,400,674   | 03/1995 | Arnune et al.                 |       |   |  |
|   |  | 5,453,315   | 9/1995  | Hamilton et al.               |       |   |  |
|   |  | 5,467,720   | 11/1995 | Korenaga et al.               |       |   |  |
|   |  | 5,471,802   | 12/1995 | Yano et al.                   |       |   |  |
|   |  | 5,504,407   | 04/1996 | Wakui et al.                  |       |   |  |
|   |  | 5,508,518   | 04/1996 | Kendall                       |       |   |  |
|   |  | 5,524,502   | 06/1996 | Osanai                        |       |   |  |
|   |  | 5,528,118   | 06/1996 | Lee                           |       |   |  |
|   |  | 5,757,149   | 05/1998 | Sato et al.                   |       |   |  |
|   |  | 5,581,521   | 12/1996 | Nomura et al.                 |       |   |  |
|   |  | 5,552,888   | 09/1996 | Sogard et al.                 |       |   |  |
|   |  | 5,530,516   | 6/1996  | Sheets                        |       |   |  |
|   |  | 5,623,853   | 04/1997 | Novak et al.                  |       |   |  |
|   |  | 5,578,164   | 11/1996 | Kurano et al.                 |       |   |  |
|   |  | 5,744,924   | 04/1998 | Lee                           |       |   |  |
|   |  | 5,760,564   | 06/1998 | Novak                         |       |   |  |
|   |  | 5,812,420   | 09/1998 | Takahashi                     |       |   |  |
|   |  | 5,942,871   | 08/1999 | Lee                           |       |   |  |
|   |  | Re 27,289   | 2-1972  | Sawyer                        |       |   |  |
| HN  |  | Re 27,436   | 7/1972  | Sawyer                        |       |   |  |
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| U.S. PATENT DOCUMENTS |    |                 |           |          |       |              |  |
|-----------------------|----|-----------------|-----------|----------|-------|--------------|--|
| EXAMINER<br>INITIAL   |    | DOCUMENT NUMBER | DATE      | NAME     | CLASS | SUB<br>CLASS |  |
| HN                    |    | 4,383,757       | 05-1983   | Phillips |       |              |  |
|                       |    | 5,610,686       | 03-1997   | Osanai   |       |              |  |
|                       |    | 5,982,128       | 11-1999   | Lee      |       |              |  |
|                       |    | 6,049,186       | 04-2000   | Lee      |       |              |  |
|                       |    | 6,008,500       | 12-1999   | Lee      |       |              |  |
|                       |    | 6,020,710       | 02-2000   | Lee      |       |              |  |
|                       |    | 6,087,797       | 07-2000   | Lee      |       |              |  |
|                       |    | 6,150,787       | 11-2000   | Lee      |       |              |  |
|                       |    | 6,151,105       | 11-2000   | Lee      |       |              |  |
|                       |    | 6,175,404       | 01-2001   | Lee      |       |              |  |
|                       |    | 6,188,195       | 02-2001   | Lee      |       |              |  |
|                       |    | 6,246,202       | 6-2001    | Lee      |       |              |  |
|                       |    | 6,271,640       | 8-2001    | Lee      |       |              |  |
|                       | HN |                 | 6,281,654 | 8-2001   | Lee   |              |  |

  

| FOREIGN PATENT DOCUMENTS |  |                 |      |         |       |              |
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|                          |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB<br>CLASS |
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| HN  |  | SEMATECH Presentation, July 1993. ✓   |      |                               |       |   |  |
| HN  |  | Micrascan II Descriptions, 1993. ✓  |      |                               |       |   |  |
| HN  |  | Initial Determination of International Trade Commission for Investigation No. 337-TA-468. ✓ |      |                               |       |   |  |
|   |  |   |      |                               |       |   |  |
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